

Managed Industrial switch

> 4 ports 802.3bt PoE > 2 SFP/1G + 1 TP/1G Uplink > G.8032 ERPSv2 Ring protection > 2 DI | 2 DO

The NSBox access Nodes are devised for the deployment of protected Outdoor Video Surveillance systems. The Nodes provide troubleproof operation of connected video cameras ranging from secure power supply, reliable data transmission, and protection of sensitive equipment from surges caused by lightning and grid power fluctuations. There is an ideal technological solution for time and money saving in any outdoor Video Surveillance projects for a large area ranging from highways, bridges, parking lots, airports, railways, sports facilities, hotels, parks, shopping malls, and construction sites.

The basic equipment of the NSBox-2041 includes: Wall mounting brackets, Mounting plate with DIN rails, terminal blocks, a two-pole circuit breaker, an electrical grounding bar, a fan with a thermostat, a set of cable glands. These modules can also be included in the assembly:

- Managed Industrial switch: uplink 2 SFP/1G + 1 TP/1G, 4 ports TP/1G PoE 802.3bt, G.8032 ERPSv2, DI/DO;
- Power Supply 55VDC-360W or UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4;
- Climatic control system inside enclosure: thermostats, Fan Heater, Thermoelectric Cooler/ Assembly;
- Fiber Optic Distribution Frame (ODF) for connecting optical fibers with FC adapters, pigtails, patch cords;
- Lightning and surge protection for Ethernet PoE ports and power circuits 220VAC.

The basic NSBox-2041 models are: NSBox-2041 | NSBox-2041H | NSBox-2041R | NSBox-2041HR

NSBox-2041 PX14F34F	Access Node: NSB-3040F1 enclosure with Fan, without Heater, with ODF; 55VDC-360W Power supply; NIS-3500-3204PGE Switch: uplink 2 SFP/1G + 1 TP/1G, 4 ports TP/1G PoE 802.3bt (95W); Reboot PDs
NSBox-2041H PX14F34H	Access Node: NSB-3040H1F1 enclosure with Fan Heater, with ODF; 55VDC-360W Power supply; NIS-3500-3204PGE Switch: uplink 2 SFP/1G + 1 TP/1G, 4 ports TP/1G PoE 802.3bt (95W); Reboot PDs
NSBox-2041R RX14F38F	Access Node: NSB-3838F1 enclosure with Fan, without Heater; UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4; NIS-3500-3204PGE Switch: uplink 2 SFP/1G + 1 TP/1G, 4 ports TP/1G PoE 802.3bt (95W)
NSBox-2041HR RX14F38H	Access Node: NSB-3838H1F1 enclosure with Fan Heater; UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4; NIS-3500-3204PGE Switch: uplink 2 SFP/1G + 1 TP/1G, 4 ports TP/1G PoE 802.3bt (95W)

Technical Data



Input Voltage Power consumption	: 100 - 240VAC 500 W (no more)
Enclosure material (cabinet, door)	: Sheet steel, powder-coated, primed
Protection category IP/NEMA IK Code	: IP66 / NEMA4 IK08
Enclosure mounts	: Wall or pole mount with NSBon-01 kit
Operating temp. with thermal insulation	: -40°C to +60°C -50°C to +60°C
Dimensions (no cable glands)	: 300x400x210 or 380x380x210mm for R models
Shipping weight (approx.)	: 12 kg 22 kg for R models (with batteries)
Fiber Optic Distribution Frame (ODF)	: mounted with 4 FC adapters, pigtails, patch cords
Heater with thermostats (for H models)	: NSBon-18 option, Fan Heater
Uninterruptible Power Supply (for R models)	: NR-48VDC-360VA with mounting kit for batteries 7Ah x4
Hardware specification	Managed Industrial switch NIS-3500-3204PGE
4x 10/100/1000Base-T RJ45 802.3bt PoE	IEEE 802.3af / 802.3at / 802.3bt (PD Alive Check)
1x 10/100/1000Base-T RJ45	802.3bt PoE 90W UPoE 95W 802.3at 36W Force 60W
2x 100/1000M SFP slots (with DDM)	G.8032 ERPSv2 Ring protection; 2 DI 2 DO
Management Interface Diagnostic	
Console/CLI, Web GUI, Telnet, SNMP Syslog, VLAN mirroring, RMON, SNMP Trap	
Network Protocols :	
Spanning Tree: STP, RSTP, MSTP; Ring Topology: G.8032 ERPSv2, Chain; VLAN: Port-based, 802.1q tag-based, 802.1ad Q in Q; IGMP Snooping v1/v2/v3 & Querier; QoS: 802.1p, 8 queues per port, WRR/SPQ; DHCP Client, Server, Relay, Snooping, Option 82; 802.1ab LLDP ; Multicast/Broadcast/Flooding Storm Control ; Access Control: IP/ MAC-based/ 802.1x authentication; Security: HTTPs, SSH, Radius Client; NTP/SNTP;	

